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Model #: PDUMH15NET

Single-Phase Switched PDU, 15A 120V, 1U Horizontal Rackmount, NEMA 5-15R outlets, NEMA 5-15P input plug

Highlights

- 1U switched PDU with digital current monitoring, network interface and individually controllable outlets
- 15A 120V capacity with 16 NEMA 5-15R outlets and 5-15P input plug
- Enables ability to turn on, turn off, power cycle or lock-out power to each individual outlet
- Programmable or real-time outlet power control via built-in SNMP/web network monitoring and control card
- Automatic sequential outlet turn-on prevents inrush-related equipment interaction on startup
- Cord retention brackets keep vital equipment plugs connected

Description

PDUMH15NET Switched, Metered, 1U horizontal rack PDU supports 15A maximum capacity at 120V (agency de-rated to 12 amps). Includes attached 5-15P input cordset and 16 5-15R switched outlets (8 front / 8 rear). Visual and remote current monitoring tracks the output current. Supports 1U horizontal rackmount installation in 2 or 4 post racks, plus 0U vertical, wallmount and under-counter installation in many applications. Included cord retention brackets keeps vital network equipment plugged in and continuously powered.

Tripp Lite Switched, Metered Rack Power Distribution Units enable a variety of advanced network control and monitoring functions by giving IT Managers the ability to turn on, turn off, recycle or lock-out power to each individual receptacle and remotely monitor PDU power consumption and in-rack environmental conditions. Switched PDU systems can be accessed, configured and controlled through secure web, SNMP or Telnet Interface. Individually switched outlets can be controlled via a built-in web/network interface, enabling remote reboot of unresponsive network hardware. User defined power-up and power-down outlet sequences ensure proper operation of interdependent IT systems and prevent inrush-related overloads as devices are powered on. Programmable load-shedding of less critical devices at user-defined intervals extends UPS uptime in response to power failures. Unused PDU outlets can be electronically locked off to prevent powering of unauthorized hardware. PDU power consumption (current) is displayed locally and can be monitored via the web/network interface, with user-defined alarms to warn of potential overloads before critical IT mains or branch breakers trip. Optional ENVIROSENSE temperature / humidity probe enables remote monitoring of in-rack environmental conditions and alarms for up to 3 user supplied contact-closure sensors. Supports real-time monitoring, notification and logging of all on-board reporting functions with user-specified alarm thresholds and actions for each reported condition.

Applications

- Ideal for configurations requiring a networked managed PDU to remotely reboot individually locked-up devices such a network switches, hubs, servers, etc.

Package Includes

- PDU with attached 5-15P input power cord
- Installable 1U mounting brackets

- PowerAlert software
- User manual

Features

- 120V 15A maximum capacity (agency de-rated to 12 amps) Switched, Metered and Monitored Power Distribution Unit (PDU) with built-in web/network interface in 1U horizontal rack form factor
- Includes attached 5-15P input plug and 16 5-15R controllable outlets (8 front / 8 rear)
- Supports individually controllable output receptacles, current metering, network monitoring and remote control via built-in web/network monitoring and control card
- Offers the ability to turn on, turn off, recycle or lock-out power to each individual PDU receptacle on a programmable or real-time basis
- Switchable outlets enable a number of advanced networking abilities, such as remote reboot on-demand of locked IT equipment, custom power-on/power-off outlet sequencing, automatic load-shedding of optional loads during power failures and disabling unused outlets to prevent the connection of unauthorized equipment loads
- Remote interface provides data regarding input power conditions, load level and individual outlet power status via secure network or web browser interface
- Supports notification and logging of all major power events and user specified alarm thresholds
- Optional ENVIROSENSE temperature and humidity probe enables remote monitoring of environmental conditions and the ability to report conditions from up to two contact-closure sensors
- Optional ENVIROSENSE accessory also supports the connection of up to three user supplied contact-closure sensors to selectively notify, monitor and log reported conditions, such as rack door access
- DHCP/Manual configuration support provides the ability to have network settings automatically assigned to the card, or manually assigned via permanent IP addresses
- 10/100 Mbps auto-sensing allows optimal communication compatibility with your current 10/100 Base-T network
- Real-time clock backup maintains the time of day and date even if the PDU is shut down and unpowered
- 2-tier level access allows an administrator and a guest to log into the web browser for monitoring and/or management of all intelligent PDUs and similarly equipped UPS systems
- Alert notifications via email or SNMP traps give users the added advantage of having an immediate event notification
- Protocols supported include HTTP, HTTPS, PowerAlert Network Management System, SMTP, SNMPv1, SNMPv2, Telnet, FTP, DHCP, BOOTP, NTP
- Front panel ammeter displays total PDU power consumption
- On initial power-up, outlets are automatically energized at 250 millisecond intervals to prevent inrush-related equipment interaction and mains circuit overloads
- Included cord retention brackets keep vital network equipment plugged in and continuously powered
- 1U horizontal rack installation supported in 2 or 4 post racks with included mounting brackets
- 0U vertical, wall-mount and under-counter mounting is supported in many applications
- Circuit breaker-free format prevents power interruptions due to tripped breakers while still providing mains panel protection from overloads and short circuit fault conditions

Specifications

OVERVIEW	
Model Type	Switched
PDU Type	Switched
OUTPUT	
Frequency compatibility	50 / 60 Hz
Output nominal voltage	120V
Outlet quantity / type	16 NEMA 5-15R
Customized load management receptacles	16 individually controlled outlets
INPUT	
PDU Input Voltage	100; 120; 127

Recommended Electrical Service	120V
Maximum Input Amps (A)	15
Input connection type	NEMA 5-15P
PDU Plug Type	NEMA 5-15P
Input cord length (ft.)	12
Voltage compatibility (VAC)	120
Phase	Single-Phase
LEDS ALARMS & SWITCHES	
Front panel LEDs	16 LEDs display power on - off status for each outlet; Digital Current Meter display shows total output power consumption in amps
PHYSICAL	
Shipping weight (lbs)	16
Shipping weight (kg)	7.3
Unit Dimensions (HWD/in)	1.75 (1U) x 17.5 x 15.5
Unit Dimensions (HWD/cm)	4.44 x 44.4 x 39.4
Shipping Dimensions (HWD/in)	5.5 x 23.5 x 21.5
Shipping Dimensions (HWD/cm)	14 x 59.7 x 54.6
Unit weight (lbs)	12.5
Unit weight (kg)	5.7
Material of construction	Steel
Style	Rackmount
Form factors supported	1U rackmount
PDU Form Factor	Horizontal (1U, 2U, etc)
ENVIRONMENTAL	
Relative Humidity	Up to 95% (non-condensing)
COMMUNICATIONS	
SNMP compatibility	Yes, pre-installed SNMPWEBCARD provides remote monitoring via web, telnet, and SNMP management systems. Remote management gives user ability to turn connected loads on or off individually
SPECIAL FEATURES	
Appearance	Black 1U rackmount steel chassis
CERTIFICATIONS	
Certifications	Tested to UL 60950-1 (USA, Canada), Class A (Emissions), NOM (Mexico), RoHS compliant
WARRANTY	

Product Warranty Period (U.S., Canada & Puerto Rico)	2-year limited warranty

Related Items

Optional Products

Product Type	Related Model	Description	Qty.
Extended Warranties	WEXT3-PDU-NET	3-Year Extended Warranty - For Switched PDUs ending with NET	1
Extended Warranties	WEXT5-PDU-NET	5-Year Extended Warranty - For Switched PDUs ending with NET	1
Power Cables	P007-002	2-ft. Heavy-Duty 14AWG Power cord (IEC-320-C13 to NEMA 5-15P)	1
Power Cables	P007-006	6-ft. Heavy-Duty 14AWG Power cord (IEC-320-C13 to NEMA 5-15P)	1
Power Cables	P007-010	10-ft. Heavy-Duty 14AWG Power cord (IEC-320-C13 to NEMA 5-15P)	1
Power Cables	P010-012	12-ft. 18AWG Power cord (NEMA 5-15P to IEC-320-C13)	1
Power Cables	P022-001	1-ft. 18AWG Power Extension cord (NEMA 5-15R to NEMA 5-15P)	1
Power Cables	P023-001	1-ft. 14AWG Power Adapter cord (NEMA L5-15R to NEMA 5-15P)	1
Power Cables	P034-010	10-ft. 14AWG Heavy Duty Power cord (IEC-320-C19 to NEMA 5-15P)	1
SNMP Accessories	ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	1
SNMP Accessories	SRSWITCH	Magnetic Door Switch Kit for front and rear doors; requires ENVIROSENSE	1

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=4860.

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